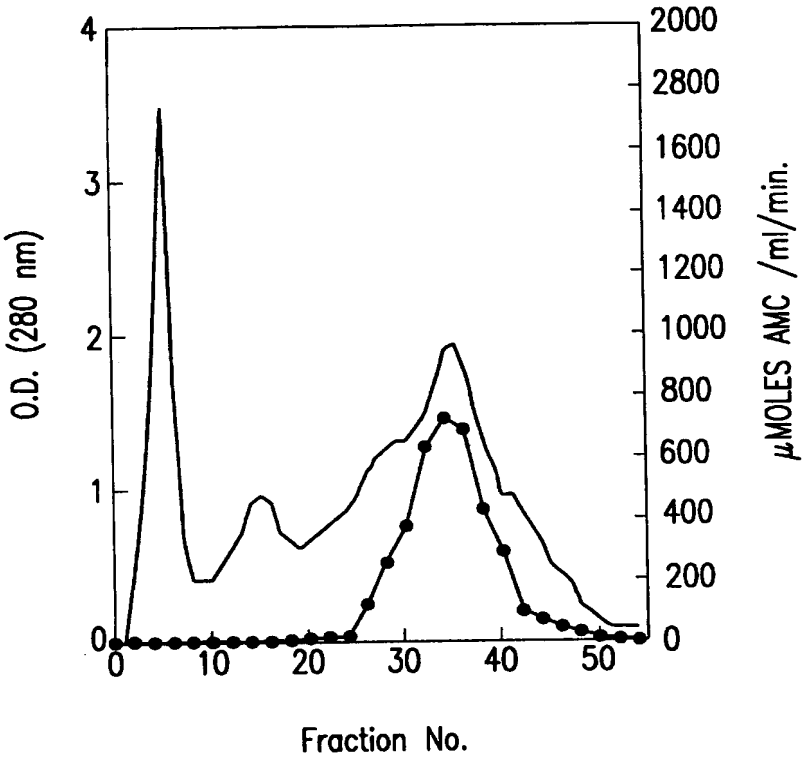

O.D. (280 nm)
μMOLES AMC /ml/min.
Fraction No.
0
1
2
3
4
0
200
400
600
800
1000
1200
1400
1600
2800
2000
0
10
20
30
40
50

FIG.1A

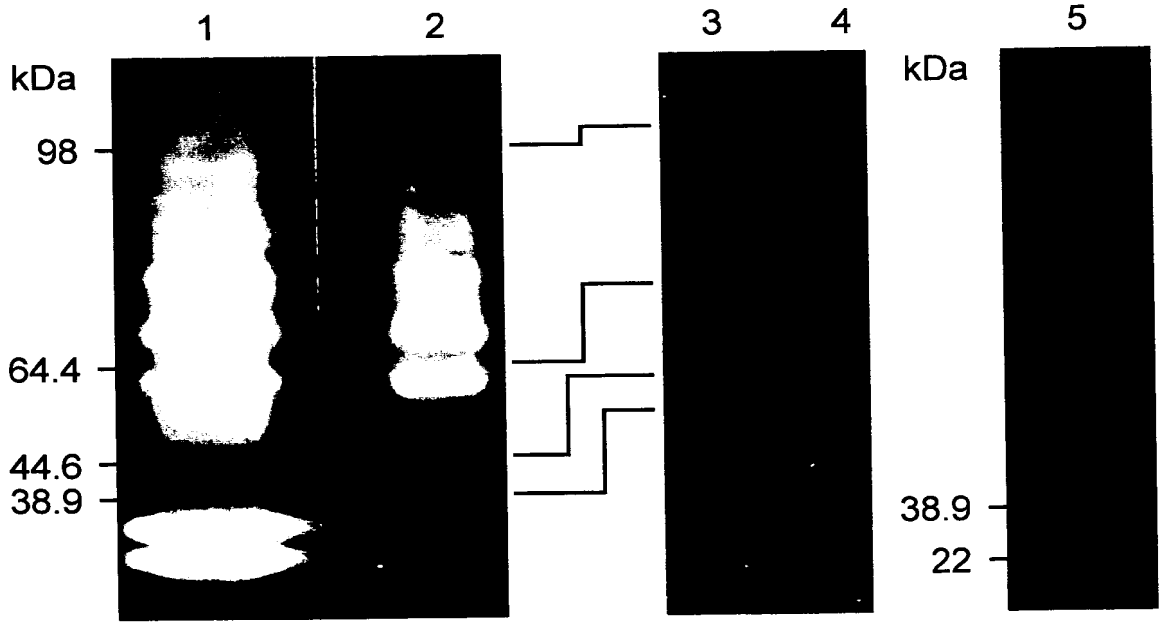

1
2
3
4
5
kDa
98
64.4
44.6
38.9
kDa
38.9
22

FIG.1B

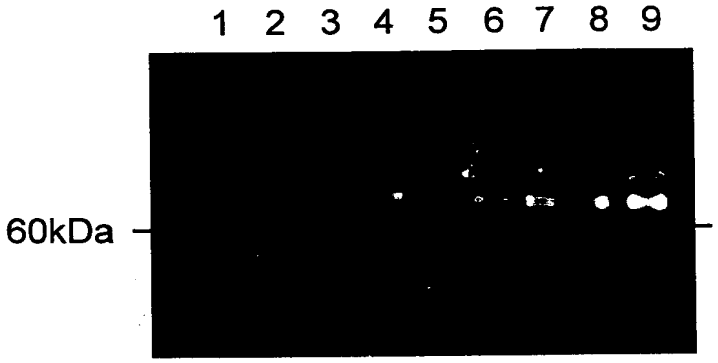


FIG.2A

FIG.2B(i)

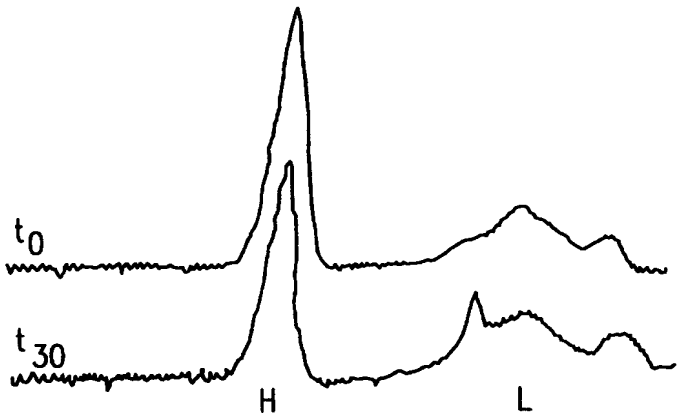


FIG.2B(ii)

FIG.3A

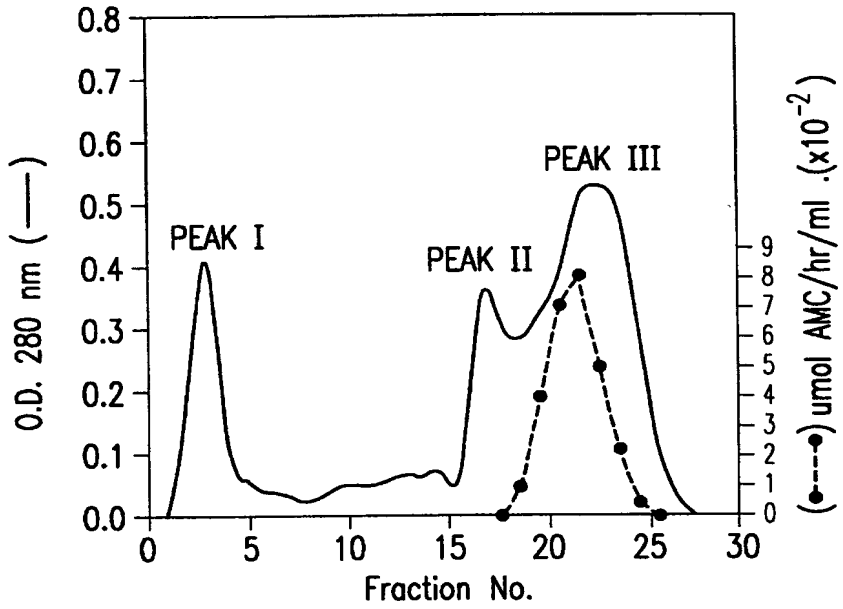


FIG.3B

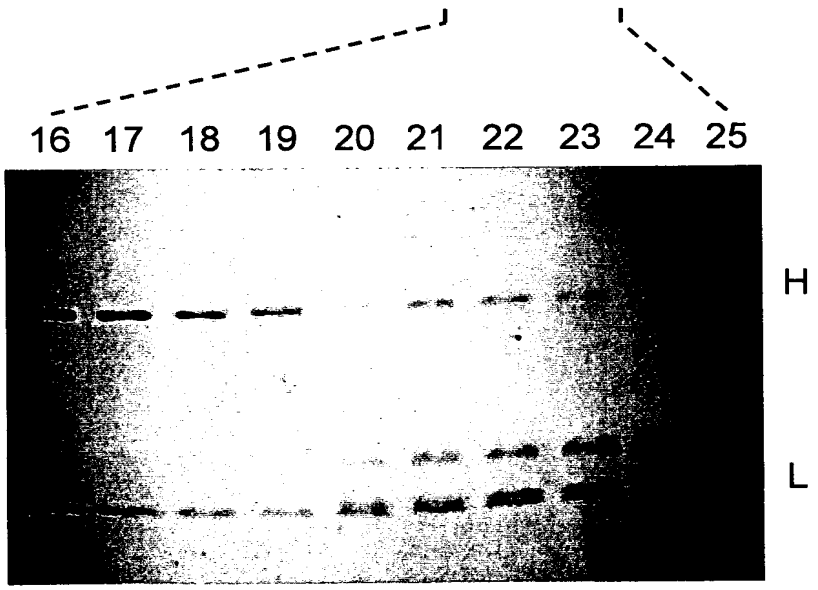
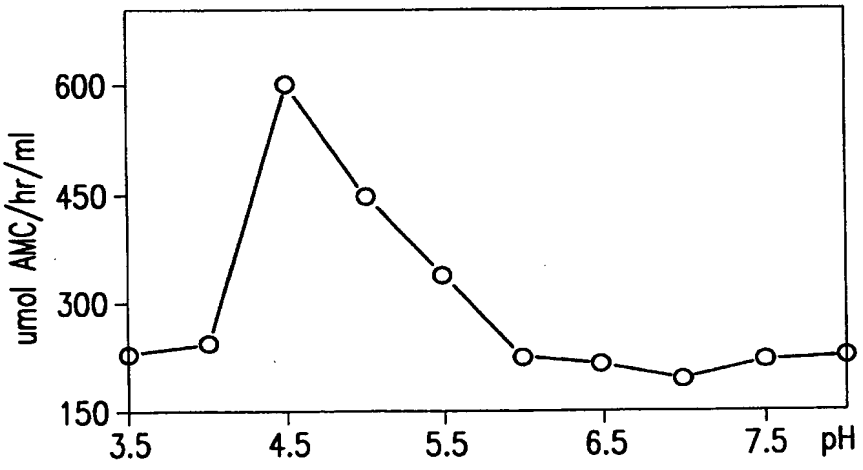
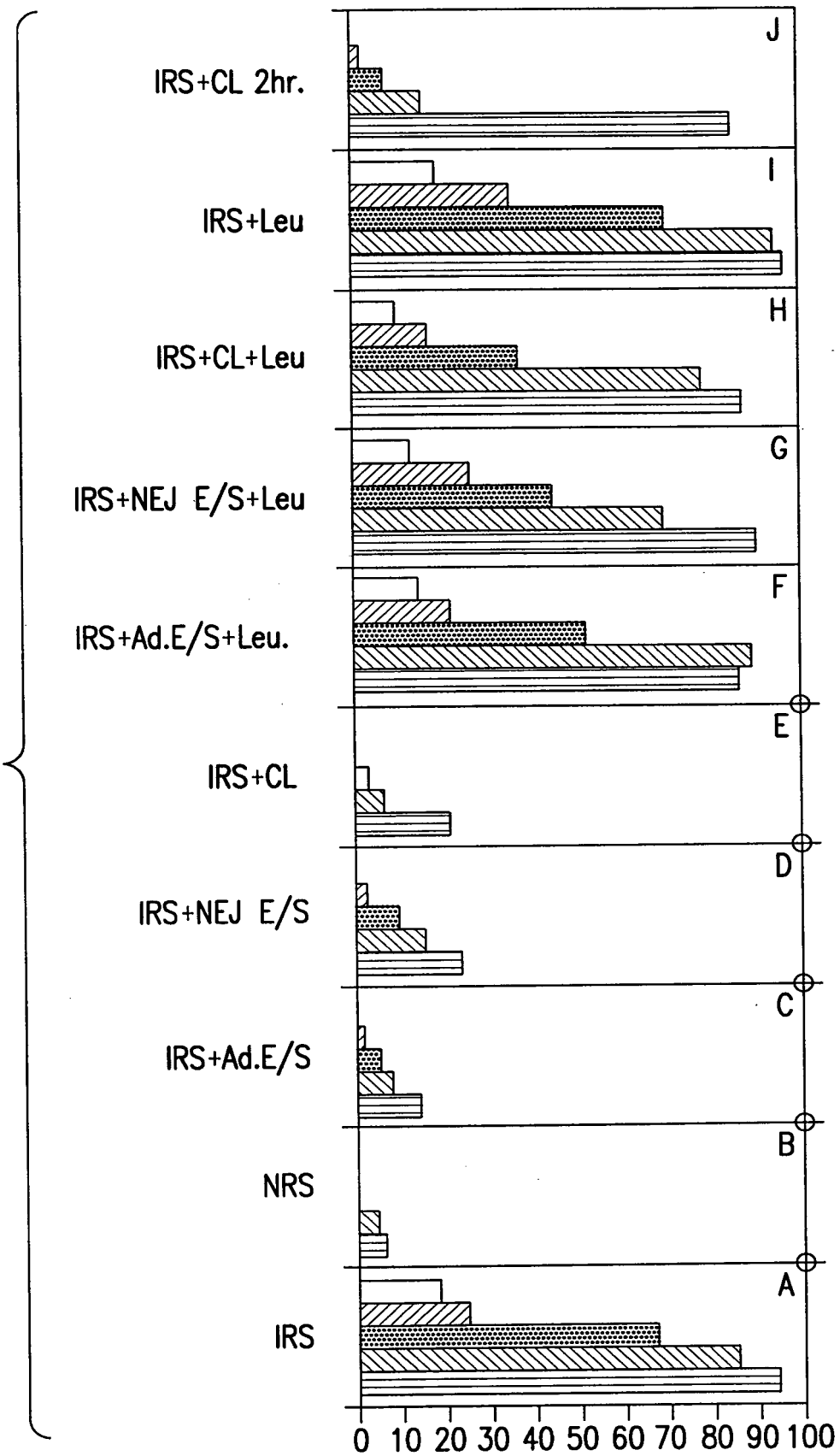


FIG.3C



Protease"

FIG.4



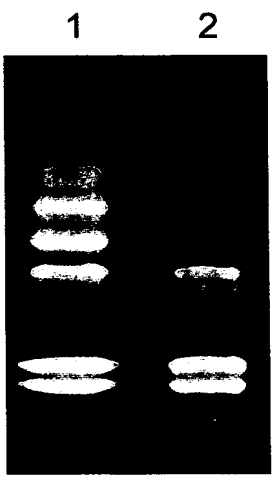


FIG.5A

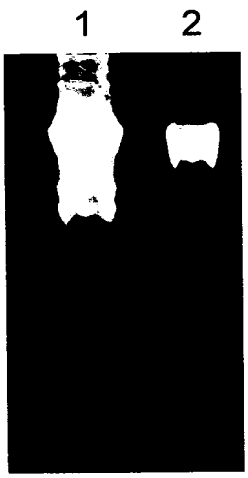


FIG.5B

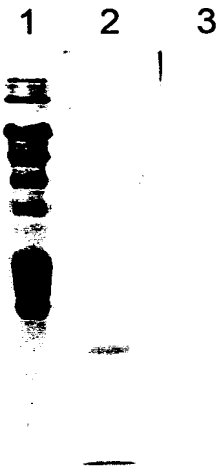


FIG.5C

FIG.9

```
   f        Nucleic Acid Sequence of and Protein coded by JDCLONEC.SEQ
<
        v         v         v         v         v         v         v
                                                                  T        1

        v         v         v         v         v         v         v
CAGGGAAAcTGTNGNNCCTGTTGGGCATTCTCAACAACCGGTACTATGGAGGGACAATATATGAAAAACG      71
GlnGlyAsnCys??????CysTrpAlaPheSerThrThrGlyThrMetGluGlyGlnTyrMetLysAsnGlu     24

        v         v         v         v         v         v         v
AAAAAACTAGTATTTCATTCTCTGAGCAACAACTGGTCGATTGTAGCGGTCCTTGGGGAAATAATGGTTG      141
  LysThrSerIleSerPheSerGluGlnGlnLeuValAspCysSerGlyProTrpGlyAsnAsnGlyCys     47

        v         v         v         v         v         v         v
CAGTGGTGGATTGATGGAAAATGCTTACCAATATTTGAAACAATTTGGATTGGAAACCGAATCCTCTTAT      211
 SerGlyGlyLeuMetGluAsnAlaTyrGlnTyrLeuLysGlnPheGlyLeuGluThrGluSerSerTyr      70

        v         v         v         v         v         v         v
CCGTACACGGCTGTGGAAGGTCAGTGTCGATACAATAGGCAGTTGGGAGTTGCCAAAGTGACCGGCTACT      281
ProTyrThrAlaValGluGlyGlnCysArgTyrAsnArgGlnLeuGlyValAlaLysValThrGlyTyrTyr     94

        v         v         v         v         v         v         v
ATACTGTGCATTCTGGCAGTGAGGTAGAATTGAAAAATCTAGTCGGTTCCGAAGGACCTGCCGCGATCGC      351
  ThrValHisSerGlySerGluValGluLeuLysAsnLeuValGlySerGluGlyProAlaAlaIleAla     117

        v         v         v         v         v         v         v
TGTGGATGTGGAATCTGACTTCATGATGTACAGGAGTGGTATTTATCAGAGCCAAACTTGTTTACCGTTC      421
 ValAspValGluSerAspPheMetMetTyrArgSerGlyIleTyrGlnSerGlnThrCysLeuProPhe      140

        v         v         v         v         v
GCTCTGAATCATGCAGTCTTGTCTGTCGGTTATGGAACACAGGATGGTACTGNTT                     476
AlaLeuAsnHisAlaValLeuSerValGlyTyrGlyThrGlnAspGlyThr??????                   158
 f
<
```

FIG.6

Protease

```
   f       Nucleic Acid Sequence of and Protein coded by CLONED.SEQ
  <
       v         v         v         v         v         v         v
                                                                  C        1

       v         v         v         v         v         v         v
CATCAAGAAGCCCNNGGCTCTTGTTGGGNTTTCTCAACAACAGGTGCTATGGAAGGACAGTATATGAAAA       71
HisGlnGluAla???GlySerCysTrp???PheSerThrThrGlyAlaMetGluGlyGlnTyrMetLysAsn      24

       v         v         v         v         v         v         v
ACCAAAGAACTAGTATTTCATNCTCTGAGCAACAACTGGTCGATTGTAGCCGTGATTTTGGCAATTATGG       141
  GlnArgThrSerIleSer???SerGluGlnGlnLeuValAspCysSerArgAspPheGlyAsnTyrGly       47

       v         v         v         v         v         v         v
TTGTAATGGTGGACTAATGGAAAATGCATACGAATATTTGAAACGATTTGGATTGGAAACCGAGTCTTCT       211
 CysAsnGlyGlyLeuMetGluAsnAlaTyrGluTyrLeuLysArgPheGlyLeuGluThrGluSerSer       70

       v         v         v         v         v         v         v
TATCCTTACAGGGCTGTGGAAGGACAATGTCGATACAACGAGCAGTTGGGAGTTGCCAAAGTGACTAGCT       281
TyrProTyrArgAlaValGluGlyGlnCysArgTyrAsnGluGlnLeuGlyValAlaLysValThrSerTyr      94

       v         v         v         v         v         v         v
ACTATACGGTACATTCTGGAGATGAGGTAGAATTGCAAAATCTAGTCGGTGCCGAAGGACCTGCTGCGGT       351
  TyrThrValHisSerGlyAspGluValGluLeuGlnAsnLeuValGlyAlaGluGlyProAlaAlaVal      117

       v         v         v         v         v         v         v
CGCTTTGGATGTGGAGTCAGACTTCATGATGTACAGGAGTGGTATTTATCAGAGCCAAACTTGTTCACCG       421
 AlaLeuAspValGluSerAspPheMetMetTyrArgSerGlyIleTyrGlnSerGlnThrCysSerPro       140

       v         v         v         v         v
GATCGTTTGAACCATGGAGTGTTGNCTGTCGNTTATGGAACNCAGGGTGGTNCTCNC                   478
AspArgLeuAsnHisGlyValLeu???Val???TyrGly???GlnGlyGly??????                   158
 f
<
```

FIG.7

Protease'

```
 f          Nucleic Acid Sequence of and Protein coded by CLONEE.SEQ
<
        V         V         V         V         V         V         V
                                                                  N        1

        V         V         V         V         V         V         V
GCGAAATGTGGTTCCTGTTGGGCATTCTCAACAACCGGTACTATGGAGGGACAATATATGAAAAACGAAA       71
AlaLysCysGlySerCysTrpAlaPheSerThrThrGlyThrMetGluGlyGlnTyrMetLysAsnGluLys      24

        V         V         V         V         V         V         V
AAACTAGTNTTTCANCCTCTGAGCAACAACTGGTCGATTGTAGCGGTCCTTGGGGAAATAATGGTTGCAG       141
  ThrSer???Ser???SerGluGlnGlnLeuValAspCysSerGlyProTrpGlyAsnAsnGlyCysSer       47

        V         V         V         V         V         V         V
TGGTGGATTGATGGAAAATGCTTACCAATATTTAAAACAATTTGGATTGGAAACCGAATCCTCTTATCCG       211
 GlyGlyLeuMetGluAsnAlaTyrGlnTyrLeuLysGlnPheGlyLeuGluThrGluSerSerTyrPro       70

        V         V         V         V         V         V         V
TACACGGCTGTGGAAGGTCAGTGTCGATACAATAGGCAGTTGGGAGTTGCCAAAGTGACTGGCTACTATA       281
TyrThrAlaValGluGlyGlnCysArgTyrAsnArgGlnLeuGlyalAlaLysValThrGlyTyrTyrThr      94

        V         V         V         V         V         V         V
CTGTGCATTCTGGCAGTGAGGCAGGATTGAAAAATCTAGTCGGTTCCGAAGGACCTGCCGCGATCGCTGT       351
  ValHisSerGlySerGluAlaGlyLeuLysAsnLeuValGlySerGluGlyProAlaAlaIleAlaVal      117

        V         V         V         V         V         V         V
GGATGTGGAATCTGACTTCATGATGTACAGGAGTGGTATTTATCAGANCCAAACTTGTTTACCGTTCGCT       421
 AspValGluSerAspPheMetMetTyrArgSerGlyIleTyrGln???GlnThrCysLeuProPheAla       140

        V         V         V         V         V
TTGAATCATGCAGTCTTGNCTGTCGATTATGGAACACAGGATGGTNACNCCC                         473
LeuAsnHisAlaValLeu???ValAspTyrGlyThrGlnAspGly?????????                       157
 f
<
```

FIG.8

Protease*